

IN THE SPECIFICATION:

On page 1, prior to line 3, please add the following new headings and paragraph:

--Cross-Reference to Related Applications

This application is the U.S. National Stage of International Application Number PCT/FI2004/050174 filed November 24, 2004 which was published June 2, 2005 in English under International Publication Number WO 2005/050478 A1 and which claims priority under 35 USC § 119 to Finnish Patent Application No. 20035218 filed November 24, 2003.

Field of the Invention--

On page 1, prior to line 22, please insert the following heading:

--Background of the Invention--.

On page 6, please amend the paragraph beginning on line 6 and ending on page 7, line 8 as follows:

--An identifying equipment identity is specified for wireless terminals, such as IMEI (International Mobile Equipment Identity). An individual identity (IMSI, International Mobile Subscriber Identity) has been specified for the mobile phone subscriber as well, which is stored in the subscriber card 8, for example a SIM card (Subscriber Identity Module) or an USIM card (UMTS Subscriber Identity Module). This SIM/USIM card is set into the wireless terminal before it can be used in wireless communication. Figures 1 and 2 present this operating principle in a simplified manner. First, the equipment identity (IMEI) of the wireless terminal and the user identity (IMSI) are sent 101 from the wireless terminal 1 to the mobile communication network 2. The information is stored 201 in the mobile communication network 2 as an equipment identity – subscriber identity pair, in which case when the wireless terminal 1 connects to a mobile communication network 2 the next time, or when the mobile communication network 2 specifically

requests it, both said identities are again sent from the wireless terminal 1 to the mobile communication network 2. After this, an earlier stored equipment identity – user identity pair is searched for on the basis of, for example, the user identity in the mobile communication network. Now it is possible to compare 203 the stored equipment identity and user identity to an equipment identity and user identity received from the wireless terminal 21, and if the received equipment identity is not the same as the stored equipment identity, it can be concluded that the user has changed the wireless terminal 21 to some other wireless terminal. From the mobile communication network 2 is sent 102 a message to a Device Management Server 3 (DMS), in which message the change in the wireless terminal 1 of the user is notified. Information about the new equipment identity is also transmitted in the message. The device management server 3 fetches 103, on the basis of the equipment identity, information about the capabilities of the wireless terminal 1 in question from the database 4. The device management server 3 forms a configuration message, where there are new parameters, which correspond to the capabilities of the wireless terminal, and sends 104 a message, for example as a text message, to the wireless terminal. In the wireless terminal 1 the parameters are fetched from the received text message and stored. When necessary, it is possible to before storing and use of the new parameters still to confirm from the user whether he/she accepts the new parameters.--

On page 10, prior to line 25, please insert the following heading:
--Summary of the Invention--.

On page 12, prior to line 21, please insert the following heading:
--Detailed Description of the Invention--.

On page 13, please amend the paragraph beginning on line 23 and ending on page 14, line 13 as follows:

--In the user module 17 is, for example, installed an USIM/SIM Application Toolkit application, which performs the determination of the equipment identity of the wireless terminal, for example, in the following manner. The user module 17 sends an equipment identity query to the wireless terminal 1. As a response to this, the wireless terminal 1 sends the equipment identity IMEI to the user module 17. In the user module 17 is performed a comparison with the equipment identity possibly

stored in the memory 17.2 of the user module. For example, the control block 17.1 of the user module can comprise a comparing element 17.1.1, which is configured to perform the comparison. If an equipment identity is not yet stored in the user module or if the stored equipment identity is not the same as the equipment identity IMEI sent from the wireless terminal 1, it can be assumed that the wireless terminal 1 or the user module has been started up for the first time, or the user module 17 has been moved to some other wireless terminal 1. The user module 17 stores the equipment identity IMEI received from the wireless terminal 1 if the equipment identity is not the same as the previously stored equipment identity, or if the equipment identity has not previously been stored in the memory 17.2 of the user module 17. The user module 17 sends information on the comparison to the wireless terminal 1, in which case it can be concluded in the wireless terminal 1 whether there is a need to perform the configuration of the wireless terminal 1 on the basis of the equipment identity IMEI. The wireless terminal 1 can request information about the user identity IMSI from the user module 17. The wireless terminal 1 can thus compare the user identity IMSI to the equipment identity IMEI, in which case it can be concluded in the wireless terminal 1 whether there is a need to perform configuration of the wireless terminal 1 on the basis of the user identity IMSI. For example, the control block 13 of the wireless terminal can comprise a comparing element 13.1, which is configured to perform the comparison of the user identity IMSI and the equipment identity IMEI, and to perform the determination whether there is a need to perform configuration of the wireless terminal 1 on the basis of the user identity IMSI. There are also other possibilities to implement the comparison and determination stages than mentioned above.--

On page 14, please amend the paragraph beginning on line 15 as follows:

--The accessory connection 19 is also examined in the wireless terminal 1 and it is aimed to determine whether some accessory 20 or accessories have been installed in the accessory connection 19. This can be performed, for example, by examining the status of one or more lines of the connection bus 19.1. For example, the control block 13 of the wireless terminal can comprise a detecting element 13.2 configured to examine the status of the lines of the connection bus 19.1, or the status may be detected by some other means. It is possible that information on the accessories connected to the wireless terminal 1 can have been stored in the memory 16 of the

wireless terminal 1 after the previous start-up. Previously stored information can be compared to said status of one or more lines. If the comparison shows that the statuses do not correspond to each other, it can be assumed that an accessory or accessories have been installed in the accessory connection 19, or some installed accessory has been removed or changed into some other accessory 20. Thus, the accessory configuration has changed, which can affect how the wireless terminal 1 can handle, for example, multimedia contents. Information on the accessory configuration is sent to the system for configuring the wireless terminal 1 when necessary.--

On page 14, please amend the paragraph beginning on line 32 and ending on page 15, line 4 as follows:

--In addition to equipment changes in the wireless terminal 1, it is also possible to determine the applications installed in the wireless terminal 1 and the changes in them, when necessary. This can be performed, for example, in such a manner that in connection with installing the application, the operating system 13.3 of the control block 13 or the like stores information about the installed application, as well as information on that the capabilities of the wireless terminal 1 have changed. Correspondingly, when removing an application, information on the changed capabilities of the wireless terminal 1 is set.--

On page 15, please amend the paragraph beginning on line 4 and ending on page 16, line7 as follows:

--When the control block 13 detects that the capabilities of the wireless terminal 1 have changed, the necessary procedures are performed for sending information on the change of capabilities to the device management server 3. Figure 5 illustrates the phases of a method applied in a system according to an embodiment of the invention for informing about the change of terminal 1 capabilities and for configuring the wireless terminal 1. The mobile communication network 2 can at some stage have informed 501 the wireless terminal 1 of that user profile-based (UAProf) data transmission mechanisms can be used in the mobile communication network 2. After this, the wireless terminal 1 sends 502 a request message for providing parameter preferences to the wireless terminal 1. This request message is represented by arrow 501 in figure 5. This request message is sent via, for example, some signalling channel (e.g. USSD, Unstructured Supplementary Service Data) of the mobile

communication network 2 to the mobile communication network, because data transmission based on IP protocol cannot in all cases be used in this phase. The wireless terminal 1 attaches to this request information about the device capabilities, for example, in UAProf form. Thus, the request message comprises either the capability information of the device or one or more indicators, such as URI, for the device capability information. The request message is received in the mobile communication network 2, where the information contained by the request message of the capabilities of the wireless terminal 1 is determined. After this, a message according to, for example, some standard is sent 503 in the mobile communication network 2 to the device management server 3. This message contains information on the capabilities of the wireless terminal 1, which was transmitted in the UAProf structure sent by the wireless terminal 1. The mobile communication network 2 can also add service provider specific information of the mobile communication network to this message, when necessary. The handling and forwarding of the request message received from the wireless terminal 1 is performed, for example, by WAP gateway 12 or some other network element. The device management server 3 determines 504 from the database 4 the parameter preferences suitable for the wireless terminal 1 in question and performs the transmission 505 of these parameter preferences to the wireless terminal 1 for the configuration of the wireless terminal 1. The device management server 3 can comprise e.g. a receiver 3.1 for receiving information, a transmitter 3.2 for transmitting information, a memory 3.3 for storing information, and a control block 3.4 for controlling the operation of the device management server 3 and for implementing operations to be performed by the device management server 3 in connection with the present invention.--

On page 18, please amend the paragraph beginning on line 32 and ending on page 19, line 4 as follows:

--Even though the use of UAProf messages has been presented above, it is ~~obvious~~should be evident to anyone of skill in the art that also other message structures can be applied in connection with the present invention. In addition, in situations where the wireless terminal 1 cannot perform the start-up of WSP or http sessions, in which case the UAProf messages are not available to be used, it is possible to also use some other suitable message transmission. This may be necessary, for example, in the case of a new wireless terminal, or if the GPRS and WAP parameters of a wireless terminal have reset.--

On page 19, please amend the paragraph beginning on line 18 as follows:

--~~It will be obvious~~should be realized that the present invention is not limited solely to the above-presented embodiments but it can be modified within the scope of the appended claims.--

On page 19, please insert a new paragraph after line 20 as follows:

--While there have been shown and described and pointed out fundamental novel features of the invention as applied to preferred embodiments thereof, it will be understood that various omissions and substitutions and changes in the form and details of the devices and methods described may be made by those skilled in the art without departing from the spirit of the invention. For example, it is expressly intended that all combinations of those elements and/or method steps which perform substantially the same function in substantially the same way to achieve the same results are within the scope of the invention. Moreover, it should be recognized that structures and/or elements and/or method steps shown and/or described in connection with any disclosed form or embodiment of the invention may be incorporated in any other disclosed or described or suggested form or embodiment as a general matter of design choice. It is the intention, therefore, to be limited only as indicated by the scope of the claims appended hereto. Furthermore, in the claims means-plus-function clauses are intended to cover the structures described herein as performing the recited function and not only structural equivalents, but also equivalent structures. Thus although a nail and a screw may not be structural equivalents in that a nail employs a cylindrical surface to secure wooden parts together, whereas a screw employs a helical surface, in the environment of fastening wooden parts, a nail and a screw may be equivalent structures.--